

CariCOF Drought Outlook

By the end of October 2018

Coordination: Caribbean Institute for Meteorology & Hydrology

Dr. Cédric J. Van Meerbeeck - Climatologist

Wazita B. Scott – Assistant Climatologist

caricof@cimh.edu.bb

Participating territories

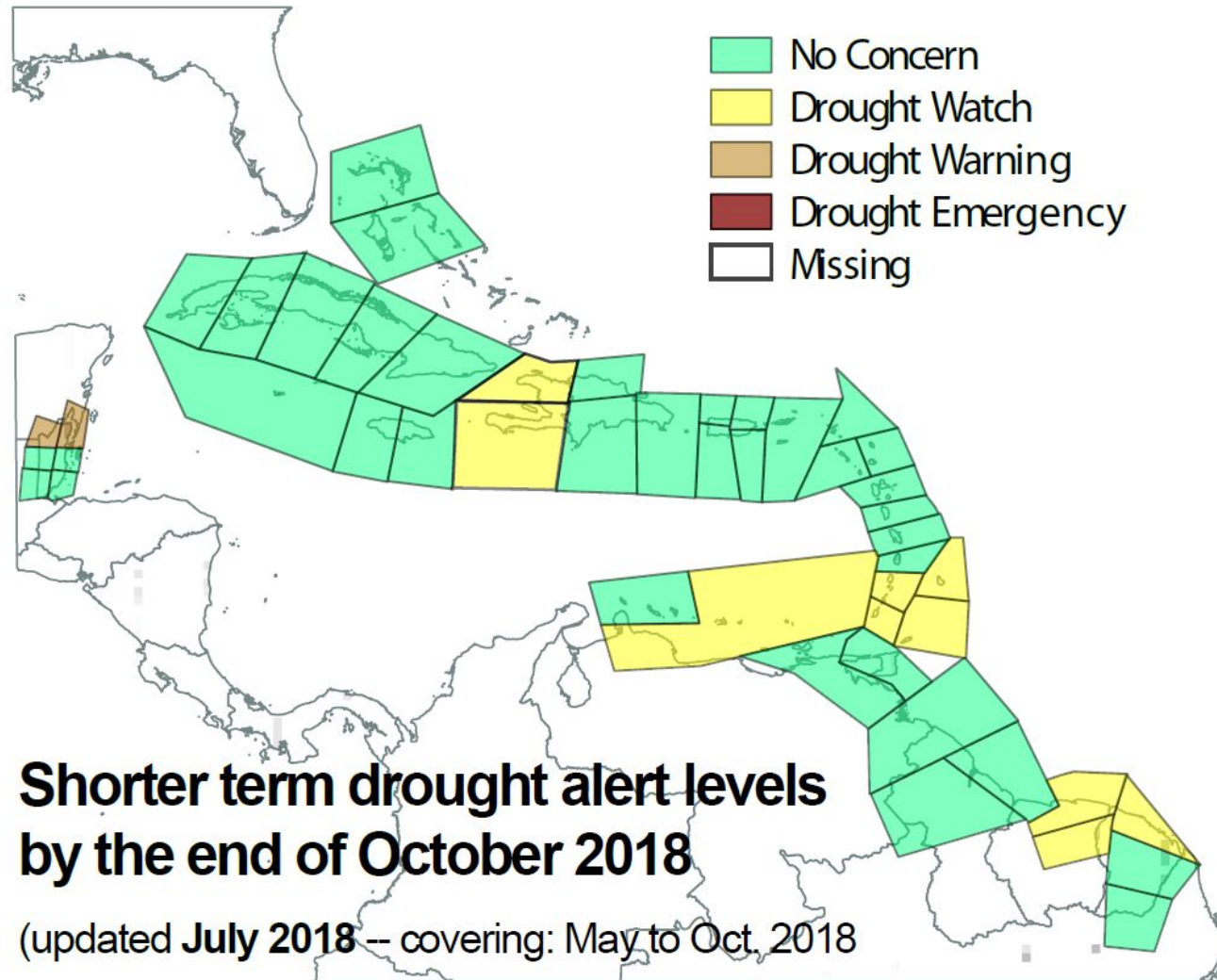
Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cayman Islands, Cuba, Curaçao, Dominica, Dominican Republic, French Guiana, Grenada, Guadeloupe, Guyana, Haïti, Jamaica, Martinique, Puerto Rico, St. Barth's, St. Kitts & Nevis, St. Lucia, St. Maarten/St. Martin, St. Vincent & the Grenadines, Suriname, Trinidad & Tobago and the US Virgin Islands



Shorter term Drought Outlook (May to October 2018)

Areas under immediate drought concern?

Current Outlook

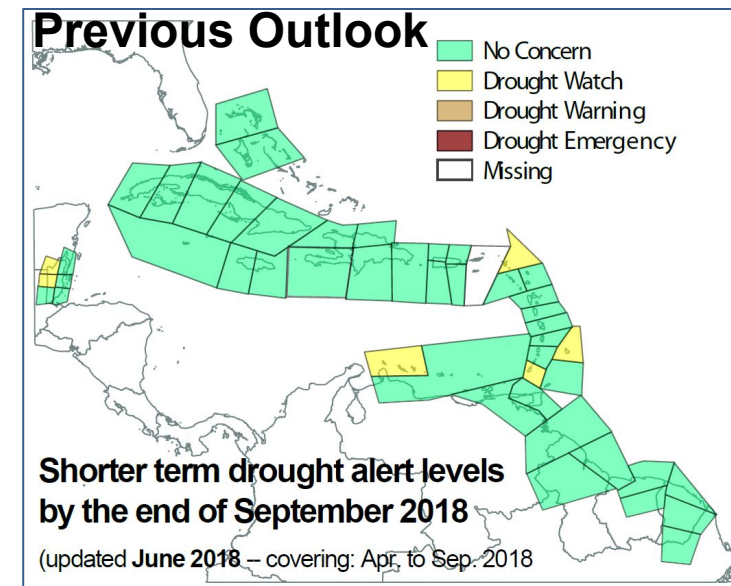


Current update (July 2018):

As we transition from the dry season into the wet season, we are currently not seeing any shorter term drought concern developing throughout the region. Exceptions are:

A **drought warning** is issued for northern Belize.

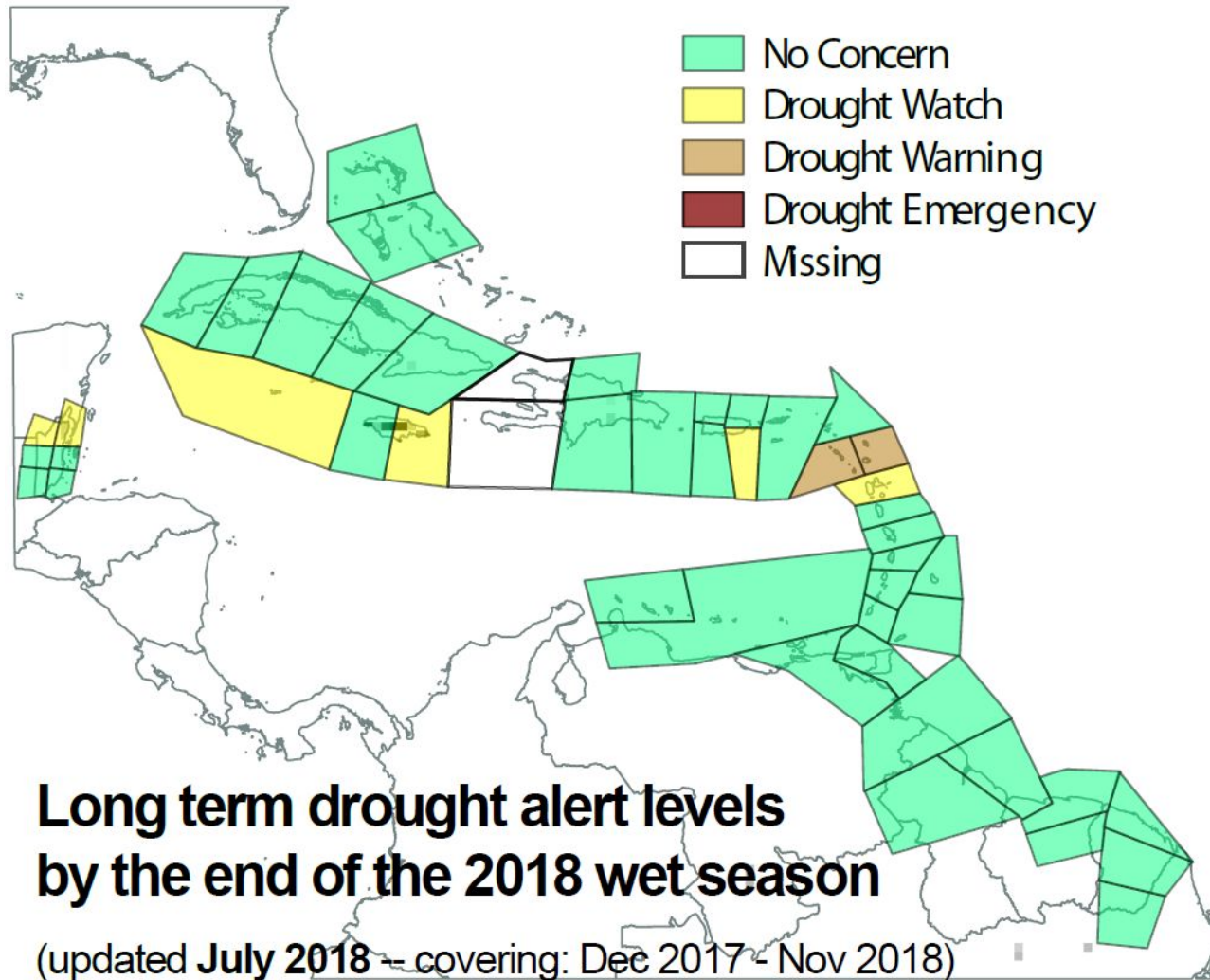
A **drought watch** is issued for Barbados, northern French Guiana, Grenada, Haiti, St. Vincent, Suriname.



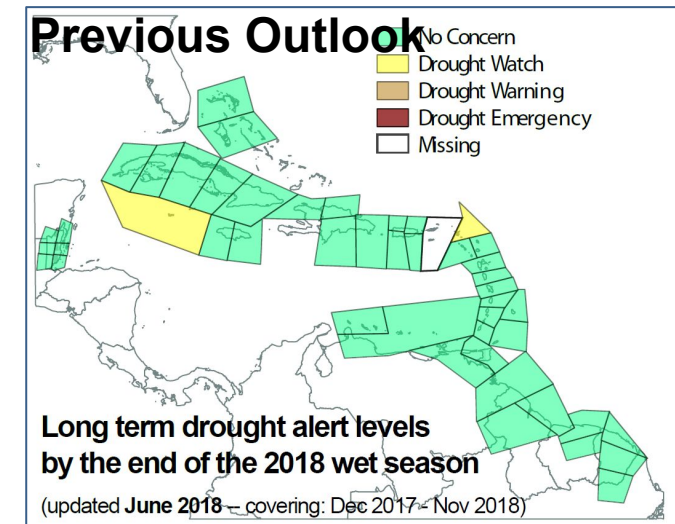
Long term drought outlook

Concerns by the end of the wet season (November 30th, 2018)?

Current Outlook



- This 12-month SPI-based drought outlook uses observations through July 2018, with potential impacts on large surface water reserves and groundwater. In general, impacts are expected if the 12-month SPI is ≤ -1.3 (very dry or worse – ref.: CDPMN).
- A **drought warning** is in effect for Antigua and St. Kitts.
- A **drought watch** is in effect for NW Belize, Cayman Is., Guadeloupe, eastern Jamaica and SE Puerto Rico.



Drought outlook – shorter-/longer-term concern?

- Current drought situation (up to the end of July 2018): *(more information [here](#))*
 - In most places, at least the normal amount of rainfall was recorded up till March, partly due to a weak La Niña, with the notable exception of Anguilla. Since then, from Hispaniola southeastward to Trinidad, several areas have been on the drier end, mostly due to cool Atlantic temperatures for the time of the year.
 - As a result, short term drought conditions are already present in parts of Barbados, southernmost Hispaniola.
- Shorter term drought situation (by the end of October 2018):
 - Shorter term drought is evolving in northern Belize and might possibly develop in Barbados, northern French Guiana, Grenada, Haiti, St. Vincent, Suriname.
- Long term drought situation (by the end of November 2018):
 - Long term drought is evolving in Antigua and St. Kitts, and might possibly develop in northwestern Belize, Cayman Is., Guadeloupe, eastern Jamaica and southeastern Puerto Rico.

** We advise all stakeholders to keep monitoring drought and look for our monthly updates.**

**CONTINUE TO MONITOR &
CONSERVE WATER !!**

ALERT LEVEL	MEANING	ACTION LEVEL
NO CONCERN	No drought concern	<ul style="list-style-type: none"> ✓ monitor resources ✓ update and ratify management plans ✓ public awareness campaigns ✓ upgrade infrastructure
DROUGHT WATCH	Drought possible	<ul style="list-style-type: none"> ✓ keep updated ✓ protect resources and conserve water ✓ implement management plans ✓ response training ✓ monitor and repair infrastructure
DROUGHT WARNING	Drought evolving	<ul style="list-style-type: none"> ✓ protect resources ✓ conserve and recycle water ✓ implement management plans ✓ release public service announcements ✓ last minute infrastructural repairs and upgrades ✓ report impacts
DROUGHT EMERGENCY	Drought of immediate concern	<ul style="list-style-type: none"> ✓ release public service announcements ✓ implement management and response plans ✓ enforce water restrictions and recycling ✓ enforce resource protection ✓ repair infrastructure ✓ report impacts





CARICOF
CARIBBEAN CLIMATE OUTLOOK FORUM

caricof@cimh.edu.bb

rcc.cimh.edu.bb

Caribbean Institute for Meteorology and Hydrology

TEL: (246) 425-1362/3 | FAX: (246) 424-4733